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NEWS 20	MAR 20	CAS databases on STN enhanced with new super role for nanomaterial substances
NEWS 21	MAR 23	CA/CAplus enhanced with more than 250,000 patent equivalents from China
NEWS 22	MAR 30	IMSPATENTS reloaded and enhanced
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NEWS 24	APR 07	STN is raising the limits on saved answers

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AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

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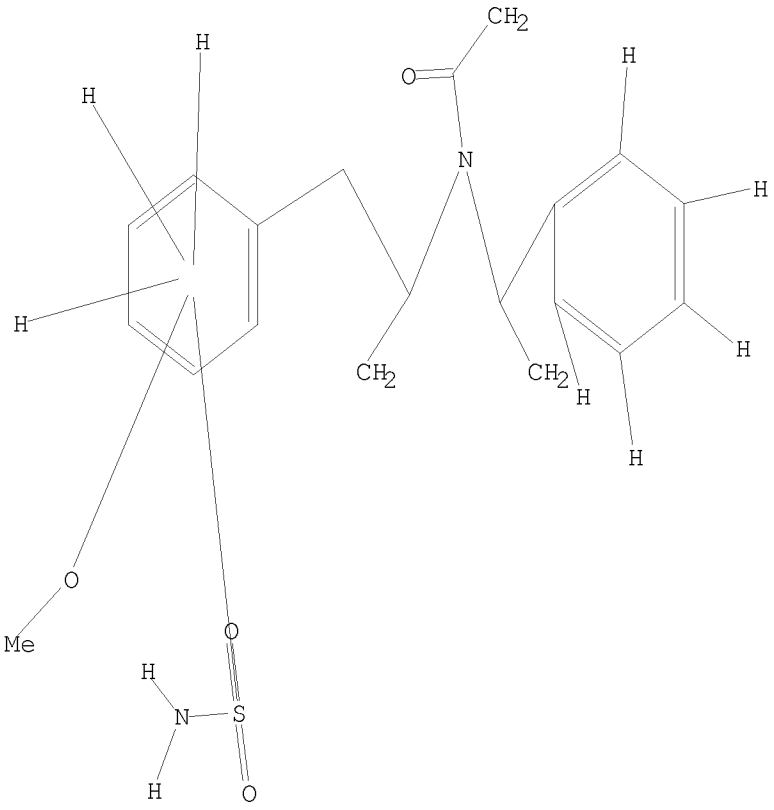

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=> s l1
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100.0% PROCESSED       32 ITERATIONS                                0 ANSWERS
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PROJECTED ANSWERS:               0 TO        0

L2            0 SEA SSS SAM L1

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100.0% PROCESSED      499 ITERATIONS                                3 ANSWERS
SEARCH TIME: 00.00.01

L3            3 SEA SSS FUL L1
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                                                       ENTRY    SESSION
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FILE COVERS 1907 - 13 Apr 2009  VOL 150 ISS 16
FILE LAST UPDATED: 12 Apr 2009  (20090412/ED)

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=> s l3
L4           2 L3

=> d l4 fbib ab hitstr 1,2

L4   ANSWER 1 OF 2  CAPLUS  COPYRIGHT 2009 ACS on STN
AN   2008:1260863  CAPLUS
DN   149:533924
TI   Process for preparation of Tamsulosin
IN   Wang, Yuan; He, Xungui; Wu, Jiancai; Chu, Yunbo; Wang, Gang; Zhang,
     Zhongming; You, Qidong
PA   2Y-Chem, Ltd., Peop. Rep. China
SO   Faming Zhuanli Shenqing Gongkai Shuomingshu, 13pp.
     CODEN: CNXXEV
DT   Patent
LA   Chinese
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
     ---------------     ----   --------    --------------------   --------
PI   CN 101284807         A     20081015    CN 2008-10043462       20080611
                                             CN 2008-10043462       20080611
OS   CASREACT 149:533924
AB   This invention provides a process for the preparation of Tamsulosin.  For
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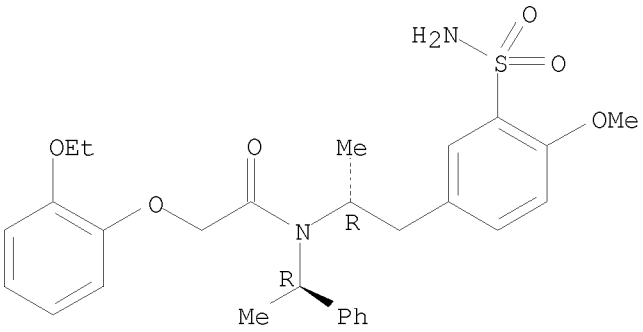
example, p-methoxyphenylacetone was reacted with (R)-phenylethylamine to obtain (αR)-4-methoxy-α-methyl-N-[(1R)-1-phenylethyl]-benzeneethanamine hydrochloride, followed by acylation with chloroacetyl chloride, chlorosulfonation with chlorosulfonic acid, amination with ammonia aqueous solution, reaction with 2-ethoxyphenol, reduction with NaBH4, and debenzylation by hydrogenation to give Tamsulosin hydrochloride. The process has the advantages of low cost, wide sources of raw materials, and high product purity.

IT 1076239-50-3P 1076239-63-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of Tamsulosin)

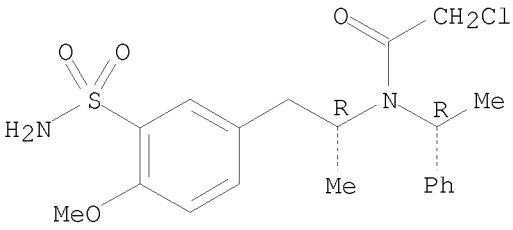
RN 1076239-50-3 CAPLUS
CN Acetamide, N-[(1R)-2-[3-(aminosulfonyl)-4-methoxyphenyl]-1-methylethyl]-2-(2-ethoxyphenoxy)-N-[(1R)-1-phenylethyl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 1076239-63-8 CAPLUS
CN Acetamide, N-[(1R)-2-[3-(aminosulfonyl)-4-methoxyphenyl]-1-methylethyl]-2-chloro-N-[(1R)-1-phenylethyl]- (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2005:811734 CAPLUS
DN 143:211719
TI A process for preparation of (R)-(-)-5-(2-aminopropyl)-2-methoxybenzenesulfonamide as an intermediate in the synthesis of tamsulosin
IN Hajicek, Josef; Slavikova, Marketa
PA Zentiva, A. S., Czech Rep.

SO PCT Int. Appl., 20 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI WO 2005075415	A1	20050818	WO 2005-CZ10		20050203
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW					
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
			CZ 2004-197	A	20040205
CZ 295583	B6	20050817	CZ 2004-197		20040205
CA 2554851	A1	20050818	CA 2005-2554851		20050203
			CZ 2004-197	A	20040205
			WO 2005-CZ10	W	20050203
EP 1996544	A1	20081203	EP 2005-700507		20050203
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, HR, LV, YU					
			CZ 2004-197	A	20040205
			WO 2005-CZ10	W	20050203
US 20080319225	A1	20081225	US 2007-588515		20070111
			CZ 2004-197	A	20040205
			WO 2005-CZ10	W	20050203

OS CASREACT 143:211719

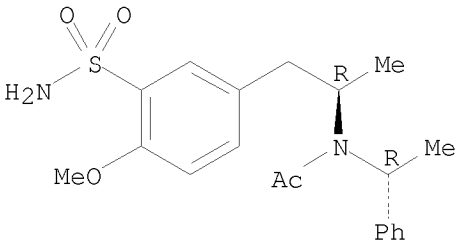
AB The invention relates to a process for the preparation of (R)-(-)-5-(2-aminopropyl)-2-methoxybenzenesulfonamide (I) and its use for the preparation of tamsulosin (II). Tamsulosin is a selective inhibitor of α1c adrenergic receptors, which allows its use for treating problems with retention of urine in connection with hyperplasic prostate without affecting blood pressure or heart action. The process allows for the preparation of tamsulosin in 6 steps in an overall yield of 19%, as illustrated below. Condensation of 4-methoxybenzyl Me ketone with (R)-α-methylbenzylamine and hydrogenation gave a single enantiomer of compound III. Release of the free base of III followed by N-acetylation and a one-pot chlorosulfonylation and sulfamidation with ammonia in dichloromethane resulted in the formation of IV. Palladium-catalyzed hydrogenation of IV and acid-catalyzed deacetylation then gave amine I, which was converted to tamsulosin (II) by substitution of 2-(2-ethoxyphenoxy)ethyl bromide. The process of the invention gives considerably higher overall yields of I (38.4%) and II (19.2%) than prior processes (12.4% and 4.6%, resp.).

IT 862307-18-4P, N-[(1R)-2-[3-(Aminosulfonyl)-4-methoxyphenyl]-1-methylethyl]-N-[(1R)-1-phenylethyl]acetamide
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; process for the stereoselective preparation of (aminopropyl)methoxybenzenesulfonamide as an intermediate in the preparation of tamsulosin)

RN 862307-18-4 CAPLUS

CN Acetamide, N-[(1R)-2-[3-(aminosulfonyl)-4-methoxyphenyl]-1-methylethyl]-N-[(1R)-1-phenylethyl]- (CA INDEX NAME)

Absolute stereochemistry.



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